



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

MF-4

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LM01/0925

HARDAWAY LAW FIRM
P O BOX 10107 FED STATION
GREENVILLE SC 29603-0107

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/105,299	06/26/98	019	MIZRAHI, D	2771 09/25/00
First Named ELLIS, Applicant	35 USC 154(b) term ext. = 0 Days.			

TITLE OF SYSTEM FOR TRANSFORMING AND EXCHANGING DATA BETWEEN DISTRIBUTED
INVENTION HETEROGENEOUS COMPUTER SYSTEMS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
2 SWA-04	707-103.000	S66	UTILITY	YES	\$605.00	12/26/00

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Notice of Allowability

Application No.
09/105,299

Applicant(s)

Darin Ellis et al.

Examiner

Diane Mizrahi

Group Art Unit

2771



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

This communication is responsive to 9-8-00

The allowed claim(s) is/are 2-20

The drawings filed on _____ are acceptable.

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been
 received.
 received in Application No. (Series Code/Serial Number) _____
 received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

Applicant MUST submit NEW FORMAL DRAWINGS

because the originally filed drawings were declared by applicant to be informal.

including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 3.

including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

Notice of Draftsperson's Patent Drawing Review, PTO-948

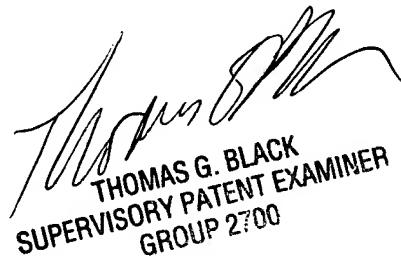
Notice of Informal Patent Application, PTO-152

Interview Summary, PTO-413

Examiner's Amendment/Comment

Examiner's Comment Regarding Requirement for Deposit of Biological Material

Examiner's Statement of Reasons for Allowance



THOMAS G. BLACK
SUPERVISORY PATENT EXAMINER
GROUP 2700

Art Unit: 2771

1. Claims 2-20 are presented for examination. Claim 1 has been canceled by Applicant.

2. Applicant's arguments filed September 8, 2000 have been fully considered and they are deemed to be persuasive.

Allowable Subject Matter

3. Claims 2-20 are allowed over the prior art of record.

4. Regarding Independent Claims 2, 14 and 18, Applicant's particular distribution system and associated method for transforming and exchanging data comprising of data transformation rule sets and scripts, a metadata database storing logical import and export data interfaces, data transformation rule sets and scripts, a script processor utilizing the metadata to control data transformation and data movement in distribution system and a rule processor for manipulating a data bag for storing imported data and a data bag for storing export data in combination with the other limitations of the claims, was not disclosed by, would not have been obvious over, nor would have been fairly suggested by the prior art of record.

The dependent claims, being further limiting to the independent claims, definite and enabled by the Specification are also allowed.

Art Unit: 2771

The closest prior art, Mitchell et al. (US Patent No. 5,497,491 and Mitchell hereinafter) discloses an import and exporting data between an object oriented computing environment using metadata objects.

Mitchell does not implicitly disclose distribution system and associated method for transforming and exchanging data comprising of data transformation rule sets and scripts, a metadata database storing logical import and export data interfaces, data transformation rule sets and scripts, a script processor utilizing the metadata to control data transformation and data movement in distribution system and a rule processor for manipulating a data bag for storing imported data and a data bag for storing export data. The closest prior art fails to anticipate or render Applicant's limitations above obvious.

5. Since allowance subject matter has been indicated, Applicant is encouraged to submit, formal drawings in response to this Office action. Applicant is reminded of the provisions of MPEP 608.02(q) and 608.02(r) regarding a separate draftsman's letter.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Art Unit: 2771

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

7. As allowable subject matter has been indicated, Applicant's response must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CRF 1.111(b) and MPEP section 707.07(a).

Prior Art Made of Record

8. A. Marazakis et al. (IEEE publication, "The HERMES Language for Work Session Specification) 1998;

B. Anderson et al. (US Patent 6,078,925) discloses computer program product for database relational extenders;

C. Anderson et al. (US Patent 6,047,291) discloses a relational database extenders for handling complex data types.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

Points of Contact

10. Any inquiry concerning this communications from the examiner should be directed to Diane Mizrahi whose telephone number is (703) 305-3806. The examiner can normally be reached on Monday to Thursday from 7:30 AM. to 5:00 PM.

Art Unit: 2771

If any attempt to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Thomas Black can be reached on (703) 305-9707.

Any response to this office action should be mailed to The Commissioner of Patents and Trademarks, Washington, D.C. 20231 or the fax phone number for this group at (703) 308-9051.

For formal or draft communications, please label "PROPOSED" or "DRAFT". Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, 6th Floor Receptionist, Arlington, Virginia.


Diane Mizrahi
Patent Examiner

September 21, 2000


THOMAS G. BLACK
SUPERVISORY PATENT EXAMINER
GROUP 2-01